

Figure 1

Figure 2A

T N I S E P A L P D K D P Q P T S S P Q P K P R P R P R P Q P Q P H 34 1 ACCAATATATCCGAACCAGCACTGCCTGATAAGGATCCTCAACCTCACCTCACCTCAGCCAAAACCTCGGCCAAGACCTCGACCTCAACCTCCACCTC P H P K P Q P Q P T P E P Q P Q P A P E P R P Q P T S K P R P Q P 101 ATCCACATCCAAAACCTCAGCCTCAGCCGACGCCAGAACCTCAGCCTCAGCCGAGCCCAGAACCTCGACCTCAGCCGACGTCAAAACCTCGACCTCAGCC T S K P R P Q P T P E P R P L P V P G P G P L P V P G P R P Q P Q 201 AACGTCAAAACCTCGACCTCAGCCGACACCTCGACCTCAACCTCAACCTCAA 301 CCTCAACCTCAACCTCAGCCTCAACCTCAGCCTCAACCTCAGCC K P S S I D T G P S K S D S S F I F T V T K T I T K I S E T E K P 501 AAAACCATCATCGATAGACACAGGACCATCAAAATCGGATTCAAGCTTCATTTTTACAGTAACAAAAACAATAACAAAGATATCAGAAACAGAAAAACCA STKPSVKPTSTKTTSKPSTKPSTKPSVKPASTKT234 601 TCTACAAAACCATCTGTGAAACCAACCTCTACAAAGACAACATCAAAACCATCTACAAAACCATCTACAAAACCATCTGTAAAACCAGCCTCTACAAAGA SESEKPTLEEVPETKGNGVRVIGFEGLQLLSM 267 701 CAACATCAGAATCAGAAAAACCAACATTGGAAGAAGTTCCAGAAACTAAAGGGAATGGTGTAAGAGTAATAGGATTTGAGGGGTTACAATTATTATCAAT IVAIIIGIWIM *

Figure 2B

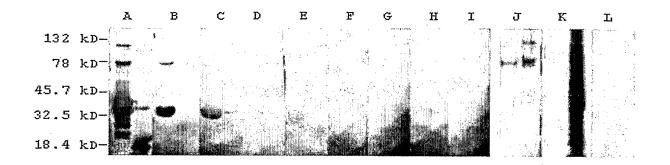
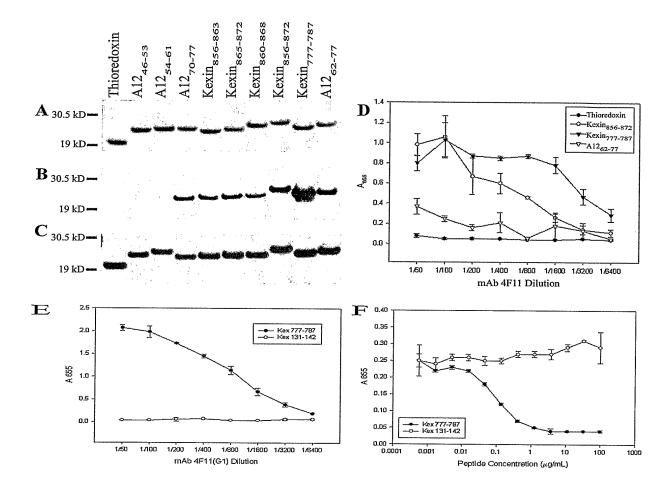


Figure 3

Construct	Sequence of insert
KEXIN ₈₅₆₋₈₇₂	KPAPKPTPPKPAPKPAP
KEXIN ₈₅₆₋₈₆₃	KPAPKPTP
$KEXIN_{865-872}$	KPAPKPAP
KEXIN ₈₆₀₋₈₆₈	KPTPPKPAP
KEXIN ₇₇₇₋₇₈₇	RPAPPKPTPQP
A12 ₄₆₋₅₃	EPQPQPAP
A12 ₅₄₋₆₁	EPRPQPTS
A12 ₇₀₋₇₇	KPRPQPTP
A12 ₆₂₋₇₇	KPRPQPTS-KPRPQPTP

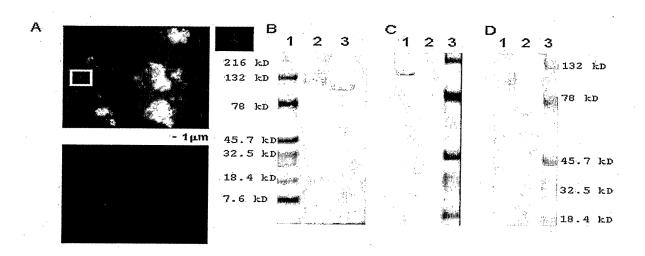
Figure 4



Figures 5A-F

URSP2 PspA	EKELKEIDESDSEDYIKEGLRAPLQSKLDAKKAKLSKLEELSDKIDEL	280
URSP2 PspA	DAEIAKLEKDVEDFKNSDGEQAEQYLVAAKKDLDAKKAELENTEADLK	328
Kex ₈₅₆₋₈₇₂	KPAPKPTP.PKPAPKPAP	
URSP2 PspA		376
Kex ₇₇₇₋₇₈₇	: RPAP.PKPTPQP	
Kex ₈₅₆₋₈₇₂	KPAPKPTP.PKPAPKPAP	
URSP2 PspA		424
Kex ₇₇₇₋₇₈₇	RPAP.PKPTPQP RPAP.PKPTPQP	

Figure 6



Figures 7A-D

WO 2005/065382 PCT/US2004/043959

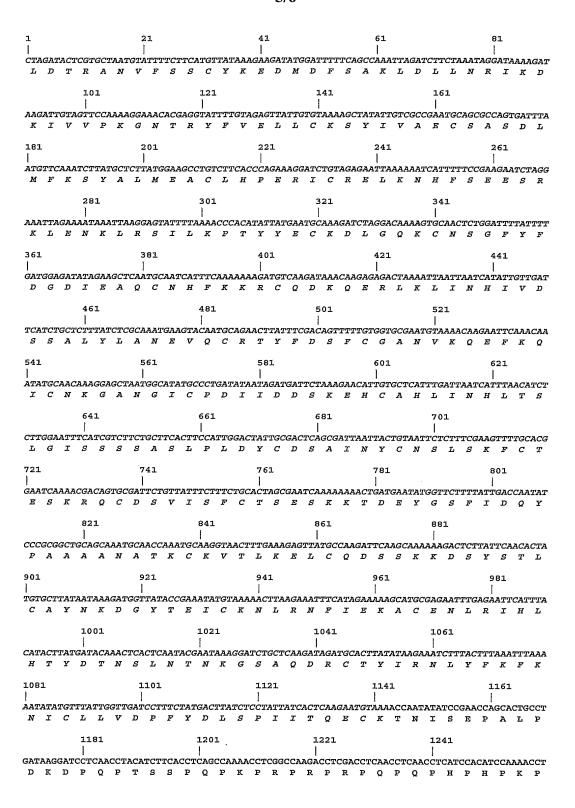


Figure 8A

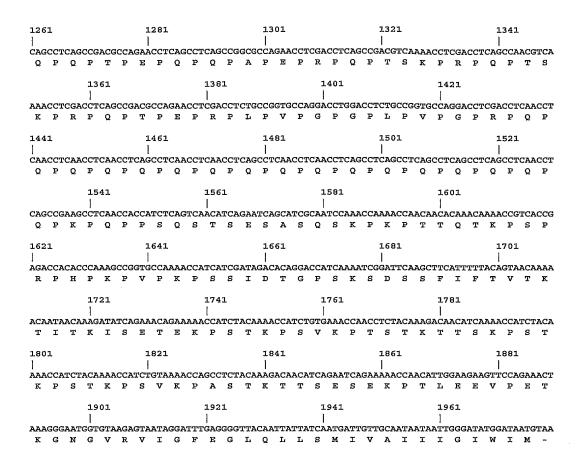


Figure 8B